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(12) # EUROPEAN PATENT APPLICATION

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(54) **Therapeutic nucleosides.**

(57) The present invention relates to 6-substituted purine carbocyclic nucleosides and their use in medical therapy particularly in the treatment of HIV and HBV infections. The invention also relates to pharmaceutical formulations and processes for the preparation of compounds according to the invention.

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EUROPEAN SEARCH REPORT

Application Number

EP 90 31 4089

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	FR-A-2 626 002 (REGENTS OF THE UNIVERSITY OF MINNESOTA) * Page 6, lines 25-26; page 32, example 9; pages 54-56, claims, in particular claim 17 *	14-16	C 07 D 473/00 C 07 D 239/46 C 07 D 239/50 C 07 D 239/48 C 07 D 239/42 C 07 C 215/42 C 07 F 9/6561 A 61 K 31/52 A 61 K 31/13
P,A	EP-A-0 366 385 (THE WELLCOME FOUNDATION) * The whole document, in particular pages 8-9, examples 1 sub D *	14-15	
D,P A	EP-A-0 349 242 (THE WELLCOME FOUNDATION) * The whole document; in particular page 5, sub a) and sub k); page 10, examples 4,5; page 29, example 29 *	1-16	

TECHNICAL FIELDS SEARCHED (Int. Cl.5)

C 07 D 473/00
C 07 D 239/00

~~The present search report has been drawn up for all claims~~

Place of search	Date of completion of the search	Examiner
THE HAGUE	28-01-1992	LUYTEN H.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.

☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,

namely claims:

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,
namely:

See sheet -B-

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.

namely claims:

☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,

namely claims: 1-18,21,22

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-18,21,22 : Enantiomeric compounds, processes for their preparation, pharmaceutical compositions and direct intermediates therefor.

2. Claims 19-20,26-31 : Intermediates per se.

3. Claims 23-25 : Intermediates per se.